TEN00460-01

# Operation & Maintenance Manual

WHEEL LOADER **WA1200-3**

SERIAL NUMBERS 50102 and up

**WARNING**

Unsafe use of this machine may cause serious injury or death. Operators and maintenance personnel must read this manual before operating or maintaining this machine. This manual should be kept near the machine for reference and periodically reviewed by all personnel who will come into contact with it.

**NOTICE**

Komatsu has Operation & Maintenance Manuals written in some other languages. If a foreign language manual is necessary, contact your local distributor for availability.

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### CHECK ELECTRIC WIRING

**WARNING**

- **If fuses are frequently blown or if there is a short circuit in the electrical wiring, locate the cause and repair or contact your Komatsu distributor.**
- **Accumulation of flammable material (dead leaves, twigs, grass, etc.) around the battery may cause fire, so always check and remove such material.**
- **Keep the top surface of the battery clean and check the breather hole in the battery cap. If it is clogged with dirt or dust, wash the battery cap to clear the breather hole.**

Check for damage, wrong fuse capacity, and any sign of disconnection or short circuit in the electric wiring. Also, check and tighten any loose terminals.
Particularly, check the wiring of the "battery", "starting motor" and "alternator" carefully.
When checking around the battery, make sure there is no accumulation of flammable material. Remove all flammable material.
Please contact your Komatsu distributor for investigation and correction of the cause.

### CHECK PARKING BRAKE

Check that the parking brake works properly.
If there is any abnormality in the operation of the parking brake or the brake does not provide the proper braking effect, please contact your Komatsu distributor for adjustment.

### CHECK BRAKE

Drive the machine forward and check the effect of the brakes.
If there is any problem in the actuation of the brakes, please contact your Komatsu distributor to have the brakes adjusted.

### CHECK INFLATION PRESSURE OF TIRES

Measure the inflation pressure with a tire pressure gauge, while the tires are cool, before starting work.
Check for damage or wear to the tires and the rims.
Check for loose wheel hub nuts (bolts).
The proper inflation pressure is shown below.

| Size | Inflation pressure |
|---|---|
| 55.5/80-57-68PR(L5) (Standard) | 0.59 MPa {6.0 kg/cm$^2$, 85.2 PSI} |
| 65/65-57-62PR(L5) (If equipped) | 0.49 MPa {5.0 kg/cm$^2$, 71.0 PSI} |
| 60/80R57★(L5) (If equipped) | Front wheel: 0.63 MPa {6.4kg/cm$^2$, 90.9 PSI}<br>Rear wheel: 0.50 MPa {5.1kg/cm$^2$, 72.4 PSI} |

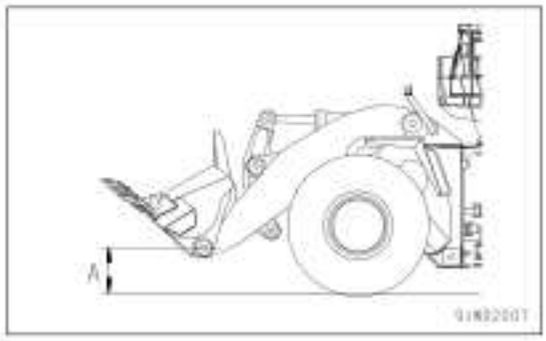
**NOTICE**

**The optimum inflation pressure differs according to the type of work. For details, see "HANDLING THE TIRES (PAGE 3-124)".**



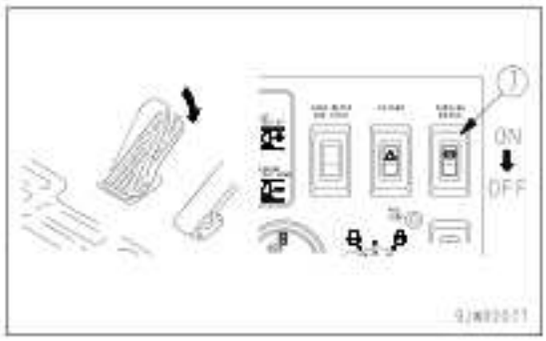
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3. Operate lift arm control lever (3) to set the work equipment to the travel posture shown in the diagram on the right.
   (A):110 to 120cm (43.3 to 47.3 in)

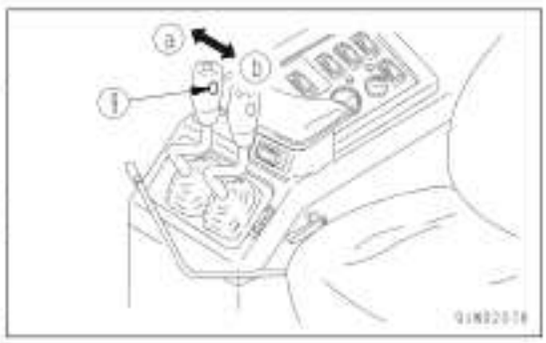


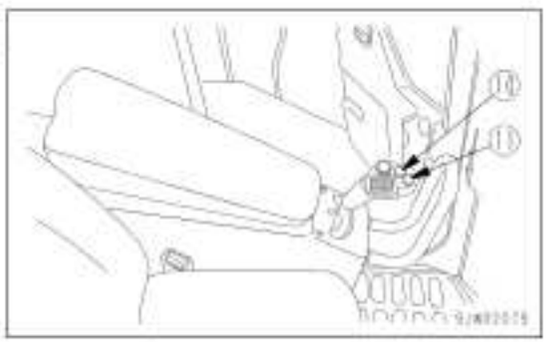

4. Depress right brake pedal (8) and turn parking brake switch (7) to the OFF (RELEASE) position to release the parking brake. Keep right brake pedal (8) depressed.

**REMARK**
If the parking brake is still actuated when parking brake switch (7) is at the OFF (RELEASE) position, turn the parking brake switch ON, then turn it OFF again.




5. Set to the desired speed range position.
   Set the speed range position as follows.
   1) Use transmission auto shift/manual selector switch (9) to select auto shift or manual shift.
      Position (a): Auto shift mode
      In this position, the transmission is set to the final shift position used when previously using the auto shift mode.
      This shift position is displayed by the 1-2-3 speed indicator lamp under the main monitor.
      Position (b): Manual shift mode
      When shifting from auto shift mode to manual mode, the shift position used in the auto shift mode is retained in the manual shift mode.
   2) When setting to a speed range different from the range set in Step 1), shift the gear with shift up switch (11) or shift down switch (10) at the head of joystick steering lever (5).






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## EVERY 10000 HOURS SERVICE

Carry out this service every 10,000 hours or every two years, whichever comes sooner.
Carry out the EVERY 50 HOURS, EVERY 100 HOURS, EVERY 250 HOURS, EVERY 500 HOURS, EVERY 1000 HOURS, and EVERY 2000 HOURS SERVICE at the same time.

## CLEAN ENGINE

**⚠ WARNING**

**If compressed air, high-pressure water, or steam hits your body directly or dirt is sent flying by the compressed air, high-pressure water, or steam, there is danger of personal injury. Always wear protective glasses, dust mask, and other protective equipment.**

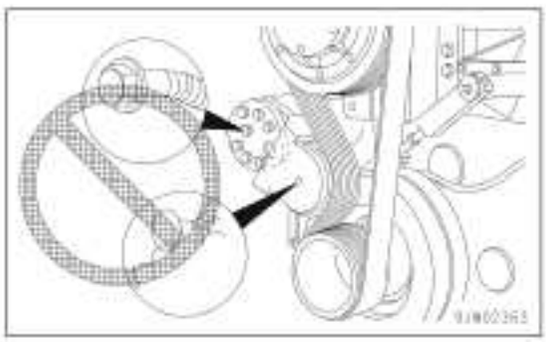
Before carrying out the maintenance for EVERY 10000 HOURS, clean the engine with a steam cleaner.

**NOTICE**

**To prevent problems caused by water entering the engine openings and electric system, be careful not to direct steam at such parts.**

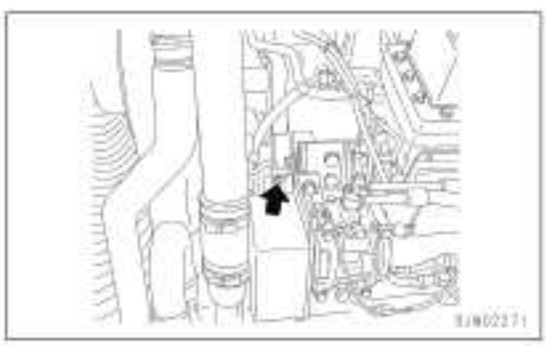
## CHECK FAN DRIVE IDLER ARM

Check that there is no damage or deterioration of the fan drive idler arm.
If there are any broken or cracked bolts, please contact your Komatsu distributor for repairs.



## GREASE ENGINE MOUNT TRUNNION

1. Using a grease pump, pump in grease through the grease fittings marked by arrows.
   Stop greasing when grease comes out from the trunnion.
2. After greasing, wipe off all the grease that was pushed out.





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